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Research Note NC-349
1989

Pulpwood Production[1] in the Lake States by County, 1988

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ABSTRACT.—Lake States pulpwood production climbed to a record 8.14 million cords in 1988. Pulpwood production is shown by county and species group in Michigan, Minnesota, and Wisconsin.

KEY WORDS: Residue, Michigan, Minnesota, Wisconsin

Pulpwood production in the Lake States—Michigan, Minnesota, and Wisconsin—rose to a record 8.14 million cords in 1988 from 7.69 million cords in 1987. Wisconsin produced 3.09 million cords, Michigan produced 2.92 million cords, and Minnesota produced 2.13 million cords.

Ninety-two out of every 100 cords of pulpwood came from roundwood (including chips from roundwood); the remainder came from mill residue such as slabs, edgings, veneer cores, and chips from these materials. Production from softwood and hardwood residue by State was:

State	Softwood	Hardwood
	(Hundred standard cords, unpeeled)	
Michigan	696	1,759
Minnesota	572	571
Wisconsin	563	2,336

Major species harvested were aspen (3,681,000 cords), pine (993,600 cords), maple (868,400 cords), birch (585,900 cords), and balsam fir (359,600 cords).

Lake States loggers produced 655 thousand cords of whole tree chips (WTC), 8 percent more than in 1987 and 8 percent of total pulpwood output in 1988. Michigan was the major WTC producer with 534 thousand cords, followed by Minnesota with 77 thousand cords and Wisconsin with 44 thousand cords.

Counties cutting more than 130,000 cords each were Delta, Menominee, Dickinson, Marquette, and Ontonagon in Michigan; Koochiching, St. Louis, and Itasca in Minnesota; and Forest, Marinette, Oneida, Vilas, Bayfield, and Sawyer in Wisconsin. These 14 counties contributed two out of every five cords of pulpwood produced from roundwood in the Lake States in 1988.

[1]Includes logs, bolts, and wood residue used in manufacturing particleboard, waferboard, oriented strand board, and medium density fiberboard.

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Table 1.--Lake States Pulpwood Production From Roundwood By County And Species, 1988
(In hundred standard cords, unpeeled)

MICHIGAN

Unit 1/ and County	All species	Pine	Spruce	Balsam fir	Hem-lock	Tam-arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
E.UPPER PENINSULA												
Alger	850	77	38	62	53	2	18	56	102	14	286	142
Chippewa	582	81	46	66	19	3	19	123	84	1	86	54
Delta	2,174	320	190	220	46	8	62	386	294	22	373	253
Luce	514	156	42	58	11	2	17	43	39	1	91	54
Mackinac	525	31	57	90	11	2	15	135	63	2	59	60
Menominee	1,642	89	85	139	32	6	34	506	316	15	259	161
Schoolcraft	1,294	176	73	113	31	5	35	100	162	8	418	173
Total	7,581	930	531	748	203	28	200	1,349	1,060	63	1,572	897
W.UPPER PENINSULA												
Baraga	835	102	9	15	14	1	5	113	121	25	345	85
Dickinson	1,349	119	115	147	39	6	41	442	182	13	173	72
Gogebic	920	38	31	5	4	X 2/	X	177	112	38	417	98
Houghton	621	74	26	36	14	2	10	92	84	15	213	55
Iron	1,283	82	95	45	11	5	9	521	177	17	254	67
Keweenaw	34	3	X	X	-	-	-	6	3	1	17	4
Marquette	2,521	316	106	140	61	7	40	728	386	37	485	215
Ontonagon	1,555	85	2	4	2	X	-	856	93	28	329	156
Total	9,118	819	384	392	145	21	105	2,935	1,158	174	2,233	752
N. LOWER PENINSULA												
Alcona	624	95	-	X	-	-	-	375	42	50	38	24
Alpena	270	7	X	1	-	-	-	194	25	11	20	12
Antrim	93	4	-	-	-	-	-	50	-	-	38	1
Arenac	41	X	-	-	-	-	-	36	X	X	4	1
Bay	X	-	-	-	-	-	-	X	-	-	-	-
Benzie	130	2	-	-	-	-	-	75	6	10	27	10
Charlevoix	45	3	-	-	-	-	-	11	2	X	12	17
Cheboygan	433	45	3	14	X	-	1	254	35	11	63	7
Clare	339	3	-	-	-	-	-	269	6	34	23	4
Crawford	548	242	X	X	-	-	-	199	7	49	51	X
Emmet	233	42	2	5	1	-	1	125	6	-	47	4
Gladwin	95	X	-	-	-	-	-	82	3	5	5	X
Grand Traverse	267	73	-	-	-	-	-	156	4	13	14	7
Iosco	111	4	-	-	-	-	-	73	12	4	13	5
Isabella	140	X	-	-	-	-	-	131	1	4	3	1
Kalkaska	238	79	-	-	-	-	-	110	4	9	29	7
Lake	570	47	-	-	-	-	-	284	9	147	70	13
Leelanau	7	-	-	-	-	-	-	X	-	-	6	1
Manistee	458	2	-	-	-	-	-	261	21	69	87	18
Mason	238	2	-	-	-	-	-	155	7	33	34	7
Mecosta	289	4	-	-	-	-	-	278	2	1	3	1
Midland	147	-	-	-	-	-	-	127	3	5	8	4
Missaukee	372	51	-	-	-	-	-	234	6	26	49	6
Montmorency	428	26	-	-	-	-	-	258	39	22	60	23
Newaygo	442	3	-	-	-	-	-	226	2	132	71	8
Oceana	329	X	-	-	-	-	-	215	3	61	37	13
Ogemaw	119	14	-	X	-	-	-	79	17	1	6	2
Osceola	357	6	-	-	-	-	-	293	8	17	28	5
Oscoda	491	120	X	7	-	-	-	222	21	66	48	7
Otsego	278	99	-	-	-	-	-	110	1	5	58	5
Presque Isle	515	67	6	18	-	-	1	283	58	15	50	17
Roscommon	394	127	-	-	-	-	-	241	7	9	9	1
Wexford	419	63	-	-	-	-	-	217	14	47	60	18
Total	9,460	1,230	11	45	1	-	3	5,623	371	856	1,071	249
S. LOWER PENINSULA												
Allegan	79	-	-	-	-	-	-	9	-	43	17	10
Barry	8	-	-	-	-	-	-	1	-	1	1	5
Calhoun	65	-	-	-	-	-	-	8	-	18	27	12
Cass	4	-	-	-	-	-	-	X	-	X	X	4
Gratiot	20	-	-	-	-	-	-	16	-	2	1	1
Ingham	X	-	-	-	-	-	-	X	-	-	-	-
Ionia	2	-	-	-	-	-	-	1	-	X	X	1
Kalamazoo	9	-	-	-	-	-	-	1	-	2	2	4
Kent	30	-	-	-	-	-	-	8	X	10	7	5
Montcalm	127	-	-	-	-	-	-	72	1	28	10	16
Muskegon	166	X	-	-	-	-	-	63	X	74	23	6
Ottawa	33	-	-	-	-	-	-	3	X	10	13	7
St. Joseph	16	-	-	-	-	-	-	2	-	4	3	7
Van Buren	30	-	-	-	-	-	-	1	-	9	8	12
Total	589	X	-	-	-	-	-	185	1	201	112	90
State Total	26,748	2,979	926	1,185	349	49	308	10,092	2,590	1,294	4,988	1,988

(Table 1 continued on next page)

(Table 1 continued)

MINNESOTA

Unit 1/ and County	All species	Pine	Spruce	Balsam fir	Hem-lock	Tam-arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
ASPEN-BIRCH												
Carlton	506	15	58	136	-	1	-	255	17	-	1	23
Cook	557	23	187	76	-	-	-	260	1	-	-	10
Koochiching	2,373	260	384	187	-	79	-	1,406	2	-	-	55
Lake	1,020	33	146	98	-	4	-	652	58	-	1	28
St. Louis	4,757	384	366	518	-	4	-	3,238	26	-	28	193
Total	9,213	715	1,141	1,015	-	88	-	5,811	104	-	30	309
NORTHERN PINE												
Aitkin	663	6	16	36	-	-	-	536	1	-	2	66
Becker	529	4	X	2	-	-	-	521	-	-	-	2
Beltrami	1,291	68	41	108	-	-	-	1,066	-	-	-	2
Cass	1,164	46	20	64	-	-	-	1,028	-	-	-	6
Clearwater	743	15	9	20	-	-	-	697	-	-	-	2
Crow Wing	403	38	X	-	-	-	-	363	-	-	-	2
Hubbard	742	40	5	5	-	-	-	690	-	-	-	2
Itasca	4,001	93	206	444	-	2	-	3,158	16	-	30	52
Lake of the Woods	144	97	13	1	-	11	-	22	-	-	-	-
Mahnomen	161	-	-	-	-	-	-	160	-	-	-	1
Roseau	64	62	2	-	-	-	-	X	-	-	-	-
Wadena	62	7	X	1	-	-	-	54	-	-	-	X
Total	9,967	476	312	681	-	19	-	8,295	17	-	32	135
CENTRAL HARDWOOD												
Isanti	X	-	-	X	-	-	-	-	-	-	-	-
Kanabec	17	-	-	-	-	-	-	17	-	-	-	-
Mille Lacs	376	1	1	2	-	-	-	372	-	-	-	X
Morrison	45	1	-	-	-	-	-	44	-	-	-	X
Pine	488	8	1	7	-	-	-	421	12	-	1	38
Sherburne	11	11	-	-	-	-	-	-	-	-	-	-
Todd	7	1	-	-	-	-	-	6	-	-	-	X
Total	944	22	2	9	-	-	-	860	12	-	1	38
PRAIRIE												
Polk	15	-	-	-	-	-	-	15	-	-	-	-
Red Lake	26	-	-	-	-	-	-	26	-	-	-	-
Total	41	-	-	-	-	-	-	41	-	-	-	-
State Total	20,165	1,213	1,455	1,705	-	107	-	15,007	133	-	63	482

(Table 1 continued on next page)

(Table 1 continued)

WISCONSIN

Unit 1/ and County	All species	Pine	Spruce	Balsam fir	Hem-lock	Tam-arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
NORTHEAST												
Florence	1,092	152	59	67	32	3	-	408	130	12	181	48
Forest	1,349	156	75	92	22	2	-	416	170	5	287	124
Langlade	969	82	6	17	3	1	-	372	130	11	267	80
Lincoln	1,266	84	15	32	51	3	-	703	93	19	188	78
Marinette	1,782	376	30	57	7	3	-	751	254	16	231	57
Menominee	654	63	X	2	256	0	-	92	40	8	145	48
Oconto	796	204	1	6	2	0	-	273	130	11	131	38
Oneida	1,519	306	60	81	13	4	-	446	304	32	208	65
Shawano	264	31	X	1	10	0	-	89	23	4	84	22
Vilas	1,432	247	16	28	6	X	-	629	238	21	197	50
Total	11,123	1,701	262	383	402	16	-	4,179	1,512	139	1,919	610
NORTHWEST												
Ashland	977	94	59	50	2	4	-	422	113	26	157	50
Barron	307	5	-	-	-	-	-	236	41	17	4	4
Bayfield	1,771	238	2	34	1	-	-	1,039	286	31	97	43
Burnett	569	249	2	2	-	-	-	277	22	7	7	3
Douglas	1,234	243	13	121	X	-	-	637	123	12	43	42
Iron	649	12	2	5	2	-	-	377	120	7	95	29
Polk	193	1	-	X	-	-	-	176	9	5	1	1
Price	1,246	76	23	44	13	8	-	500	184	17	271	110
Rusk	615	20	1	1	1	1	-	376	65	26	80	44
Sawyer	1,647	53	34	20	3	2	-	866	274	50	241	104
Taylor	861	58	12	34	14	3	-	384	76	7	201	72
Washburn	712	91	2	3	0	4	-	445	70	32	40	25
Total	10,781	1,140	150	314	36	22	-	5,735	1,383	237	1,237	527
CENTRAL												
Adams	477	425	-	X	-	-	-	15	1	34	1	1
Chippewa	337	36	3	2	2	2	-	169	45	16	42	20
Clark	725	95	X	X	X	-	-	413	58	31	85	43
Eau Claire	182	87	-	-	X	-	-	66	8	11	8	2
Jackson	587	341	1	-	-	1	-	121	21	55	43	4
Juneau	454	372	-	-	-	-	-	7	7	49	15	4
Marathon	754	50	7	5	15	1	-	448	32	17	114	65
Marquette	186	136	X	X	-	-	-	3	6	29	10	2
Monroe	187	143	X	-	-	1	-	13	7	10	9	4
Portage	403	239	4	2	3	1	-	60	14	50	24	6
Waupaca	222	112	0	X	1	X	-	69	4	6	22	8
Waushara	329	305	X	-	-	-	-	9	2	3	8	2
Wood	679	158	1	X	1	X	-	370	26	55	62	6
Total	5,522	2,499	16	9	22	6	-	1,763	231	366	443	167
SOUTHWEST												
Buffalo	12	12	-	-	-	-	-	-	X	-	X	X
Crawford	1	1	-	-	-	-	-	-	-	-	-	-
Dunn	108	85	-	X	X	-	-	14	3	2	3	1
Grant	12	12	-	-	X	-	-	-	-	X	X	X
Iowa	8	8	-	-	-	-	-	-	-	-	-	-
Lacrosse	40	39	1	-	-	-	-	-	-	X	-	-
Lafayette	X	-	-	X	-	-	-	-	-	-	-	-
Pepin	6	6	-	-	-	-	-	-	-	-	-	-
Pierce	5	X	-	X	-	-	-	5	X	-	X	X
Richland	5	5	-	-	-	-	-	-	-	-	-	-
St. Croix	11	6	-	-	-	-	-	5	-	-	-	-
Sauk	63	63	X	X	-	-	-	-	X	-	X	X
Trempealeau	39	39	-	-	-	-	-	-	X	-	-	X
Vernon	4	3	1	0	-	-	-	-	-	-	-	-
Total	314	279	2	X	X	-	-	24	3	2	3	1
SOUTHEAST												
Brown	3	1	-	-	-	-	-	2	-	-	X	-
Calumet	4	-	-	-	-	-	-	-	X	-	3	1
Columbia	91	69	-	-	-	-	-	X	3	13	5	1
Dodge	X	-	-	-	X	-	-	-	-	-	-	-
Fond Du Lac	15	13	1	-	-	-	-	-	X	-	1	X
Green	2	2	-	-	-	-	-	-	-	-	X	X
Green Lake	10	10	-	-	-	-	-	-	X	-	X	X
Kenosha	X	X	-	X	X	-	-	-	-	-	-	-
Kewaunee	X	-	-	-	-	-	-	-	-	-	X	-
Manitowoc	17	6	-	-	X	-	-	1	1	-	7	2
Outagamie	31	3	-	-	-	-	-	7	3	1	14	3
Ozaukee	1	1	-	-	-	-	-	-	-	-	-	-
Rock	X	X	-	-	-	-	-	-	-	-	-	-
Sheboygan	2	1	X	-	-	-	-	-	X	-	1	X
Walworth	2	2	-	-	-	-	-	-	-	-	-	-
Waukesha	12	12	-	-	-	-	-	-	-	-	-	-
Winnebago	5	5	-	-	-	-	-	-	-	-	-	-
Total	195	125	1	X	X	-	-	10	7	14	31	7
State Total	27,935	5,744	431	706	460	44	-	11,711	3,136	758	3,633	1,312

1/ Includes only those counties that supplied pulpwood in 1988.

2/ X indicates less than 50 cords.